PCC

JOINT READINESS TRAINING CENTER
FORGING THE WARRIOR SPIRIT

LTC DAN GRYMES
Senior Fire Support
Observer/Controller

PURPOSE

TO PROVIDE FUTURE BRIGADE AND BATTALION COMMANDERS WITH CURRENT JRTC TRENDS AND RECOMMENED TTPs/TRAINING STRATEGIES IOT REVERSE CURRENT TRENDS.

AGENDA

- **INTRODUCTION**
- **JRTC MISSION**
- **JRTC TRAINING STRATEGY**
- **TRENDS**
  - **FIRE SUPPORT**
  - **FA OPERATIONS**
  - **LOGISTICAL OPERATIONS**
- **CLOSING**

COMMENTS/QUESTIONS

JRTC MISSION

JRTC OPERATIONS GROUP IMPROVES UNIT READINESS BY PROVIDING HIGHLY REALISTIC, STRESSFUL, JOINT AND COMBINED ARMS TRAINING ACROSS THE FULL SPECTRUM OF CONFLICT (CURRENT AND FUTURE), AND BY PROVIDING DOCTRINALLY-BASED FEEDBACK TO ROTATIONAL UNITS, THE ARMY AS A WHOLE, AND THE JOINT COMMUNITY IN ORDER TO DEVELOP SOLDIERS, LEADERS AND UNITS.

JRTC TRAINING STRATEGY

- **TRAIN FORCES TO:**
  - **DEPLOY STRATEGICALLY TO AUSTERE STAGING BASES**
  - **CONDUCT TIME-CONSTRAINED PLANNING**
  - **DEPLOY TACTICALLY INTO AREA OF OPERATIONS**
  - **FIGHT LOW TO MID-INTENSITY SCENARIOS AGAINST UNCOMPROMISING OPPOSING FORCE**
  - **INTEGRATE CAPABILITIES OF SOF**
  - **CONDUCT STABILITY AND SUPPORT OPERATIONS (WHEN DIRECTED)**

CONCEPT OF OPERATIONS

- **JOINT FORCES INCLUDE:**
  - **LIGHT INFANTRY BRIGADE TASK FORCE (ONE BN TF IN SIMULATION)**
  - **AIR FORCE UNITS**
  - **MARINE/NAVY UNITS**
  - **SPECIAL OPERATIONS FORCES (UNILATERAL AND INTEGRATED MISSIONS)**
- **TRAINING TASKS DETERMINED BY COMMANDERS**
- **UNIQUE SCENARIOS AND CONDITIONS DESIGNED FOR EACH TRAINING ROTATION**
- **UNITS FIGHT "WORLD CLASS" OPPOSING FORCES**
- **EXPERT OBSERVER/CONTROLLERS PROVIDE CONTINUOUS ANALYSIS OF PERFORMANCE AGAINST ESTABLISHED ARMY AND AIR FORCE STANDARDS**

FIRE SUPPORT TRENDS

- **TARGETING/SYNCH PROCESS AND LINKAGE ACROSS BOS's**
- **FIRES IN THE CLOSE FIGHT**
- **FIRE SUPPORT REHEARSALS**
- **USE OF MORTARS**
- **TIMELY DEVELOPMENT AND DISSEMINATION OF FS PRODUCTS (BATTLE RHYTHM)**
- **BATTLE TRACKING/SITUATIONAL AWARENESS**
- **EMPLOYMENT OF COLT**
- **SOSR PLANNING AND EXECUTION**
- **TARGET LIST MANAGEMENT**
- **DIGITAL COMMUNICATIONS**
- **FIRE SUPPORT PRIORITIES OF WORK IN THE DEFENSE**

TARGETING PROCESS

TREND: **- D3A NOT INTEGRATED INTO MDMP – NEED FOCUSED HPT**

- TARGET SYNCH MATRIX NOT TRANSLATED IN TASKS TO SUB UNITS

- R&S, MI ASSET, COLT, Q36 NOT INTEGRATED INTO PROCESS (TSS)

- DAILY MDMP OR TARGET SYNCH MEETINGS NOT TO STANDARD

T.T.P.: **- UTILIZE CURRENT DOCTRINE (FM 6-20-40 AND WHITE PAPER)**

- DEVELOP SOP FOR BDE MDMP (BDE FSO-BDE S3)

- DESIGNATE DUTIES/RESPONSIBILITIES FOR BDE FSO AND T.O.

- ENSURE TSM RESULTS ARE INCLUDED IN TASKS TO SUB UNITS (INF)

- AT COMPLETION OF WARGAMING THE BDE FSO/S2 MUST UNDERSTAND THE TSM AND DEVELOP TSS TO CONFIRM TARGET SOURCES – TIE THIS TO MANEUVER RESPONSE MATRIX

- DAILY MDMP OR SYNCH MEETINGS MUST END IN FRAGO

FIRES IN CLOSE FIGHT

TREND: **- NO SYNCHED MAN/FS ACTIONS – LACK OF COMBINED ARMS BATTLE DRILLS**

- LACK OF STREAMLINED SENSOR TO SHOOTER LINKAGE/COMM

- INCOMPLETE GRAPHICAL CONTROL MEASURES

- NO CLEARLY DEFINDED CLEARANCE OF FIRE PRODCEEDURES LISTED IN ORDERS OR SENSOR CONTROL OPTIONS

- LACK OF DANGER CLOSE/MSD/5 REQs KNOWLEDGE.

T.T.P.: - DESIGN BDE RUN, CO EXECUTED, BATTLE DRILL LANES – CERTIFY (JRTC INITIATIVE TO WRITE STANDARDS FOR BATTLE DRILLS)

- BDE FTX (GRAPHICS/DED BATTERIES/KWs/MI ASSETS)

- EXPEDITE C.O.F BY REVIEWING DOCTRINAL POF/FO CONTROL OPTIONS. DESIGN RADIO CPX WITH ENTIRE BDE FSE

- RETRANS EVERYTIME YOU GO TO THE FIELD (ONE DAY SHOOT!) REFINE SOPs

- AGGRESSIVELY USE PLGRS AND PRIORITY TARGETS

FIRE SUPPORT REHEARSALS

<u>TREND</u>: - TACTICAL REHEARSALS LACK SUFFICENT DETAIL TO BENEFIT EXECUTION

<u>T.T.P.</u>: - BDE FSOs/BN S3s MUST DEVELOP A DETAILED FORMAT REHEARSING FROM FULL FORCE TO RECUCED FORCE. SOP SHOULD NEST DOWN TO CO LEVEL

- BEST METHOD WE HAVE SEEN IS ACTION, REACTION COUNTER ACTION *<u>BY PHASE</u>*

- UNIT'S NEED TO DO REHEARSAL TRAINING (LPDs AND ALL FTX's)

- ✓ **TERRAIN MODEL KITS**
- ✓ **BRIEFING SEQUENCE**
- ✓ **REHEARSAL PRODUCTS**

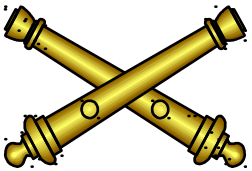
- INITIAL ENTRY REHEARSAL MUST GO DOWN TO CO FSO LEVEL

- KNOW PLOT-CR *PLUS* C.O.F. PROCEDURES FOR EACH TARGET

MORTARS

TREND: - MORTARS ARE NOT INTEGRATED INTO TF/CO PLAN
- MORTARS ARE GENERALLY POORLY TRAINED
- DO NOT UNDERSTAND 5 REQ's (MET, SURVEY, AC DEC, COMPASS, REG)
- AMMO MANAGEMENT

T.T.P.: - CERTIFY MORTARS LIKE ARTY (DETAILED TO INCLUDE ALL LEADERS)
- DEVELOP BDE TACTICAL MORTAR SOP (81/60s)
- DESIGN BN/CO FSO MORTAR TRAINING PROGRAM (THEY ARE THE S3's FOR THE MORTARS)
- USE TSFO AS CERT WITH MORTARS PRIOR TO LFX
- LANE TRAINING, WALK AND SHOOTS (MSD LFX)
- OBTAIN REPLICATED AMMO (81/60)



FIRE SUPPORT PRODUCTS

TREND: - BRIGADES FAIL TO DEVELOP REQUIRED FS PRODUCTS, AND DISSEMINATE TO SUBORDINATES EARLY ENOUGH TO FACILITATE SYNCHRONIZATION OF MANEUVER AND FS

T.T.P.: - DEVELOP SYSTEM OF WHAT/WHEN (KEEP IT SIMPLE)

- DEVELOP FS PRODUCTS IN TIME TO BE INCLUDED IN BRIGADE FRAGO

- BRIGADE FSNCO MUST UNDERSTAND FS PLANNING CONSIDERATIONS OUTLINED IN FM 6-20-40 AND ASSIST FSO AND T.O.

- IMPROVE CROSS TALK BETWEEN BRIGADE AND BATTALION FSOs/FSNCOs ON A REGULAR BASIS

BATTLETRACKING

TREND: **- UNITS DO NOT BATTLETRACK CAUSING POOR INFO FLOW, SLOW COUNTERFIRE MISSIONS/C.O.F. AND FRATRICIDE**

T.T.P.: **- WHAT DO I KNOW, WHO DO I TELL OR WHAT DO I DO, AND DID I TELL THEM OR DO IT. (LOOK FOR NEW TTP IN CALL SOON)**

- DEVELOP TRACKING SYSTEM FROM BDE TO PLT FO – STANDARD REPORTS/SOPs

- MUST TRACK 81 AND 60 LOCATIONS AT BRIGADE

- TRACK SEPARATE ELEMENTS/SMALL TEAMS WITHIN THE BDE

- CONSIDER FIST COMBAT POWER REPORTS TO FACILITATE MISSION ANALYSIS. (PAX STATUS, NODS, RADIOS, LONG WHIPS ETC)

EMPLOYMENT OF COLTs

TREND: **- UNITS OFTEN FAIL TO MAXIMIZE THE EFFECTIVENESS OF COLTS BY NOT PROPERLY CONSIDERING EMPLOYMENT OPTIONS DURING PLANNING.**

T.T.P.: **- DEVELOP COLT METL (WHAT CAN THEY ACTUALLY DO)**
- BRIGADE ASSET FOR THE BRIGADE FIGHT
- DEVELOP TASK, PURPOSE DURING PLANNING, USE BRIGADE FSNCO TO ISSUE A COLT OPORD, USE HIM TO SUPERVISE DURING TLP
- SEND COLTS TO LRSD, SCOUT PLs COURSE AND JFCC
- INTEGRATE WITH BN SCOUTS AND DELTA CO's DURING HOME STATION TRAINING AND EXEVALS

TARGET LIST MANAGEMENT

TREND: **- UNITS HAVE DIFFICULTY MAINTAINING AN ACCURATE, MANAGEABLE, UP TO DATE TARGET LIST**

T.T.P.: **- PLAN BRIGADE TGTS WHERE BRIGADE EXPECTS TO SHAPE THE BATTLE**

- ALLOCATE SPECIFIC NUMBER OF TGTS TO BNS FOR PLANNING, WHAT BDE ASSETS WILL FIRE, USE ALLOCATION AS METHOD TO WEIGHT MAIN EFFORT

- ESTABLISH REALISTIC TGT CUTOFF TIME THAT CONSIDERS BN AND CO BATTLE RHYTHMS, AND ALLOWS BDE TO DISSEMINATE FINAL TGT LIST

- VOICE SCRUB OF TARGETS PRIOR TO EXECUTION

DIGITAL COMMUNICATIONS

TREND: **- UNITS SELDOM USE DIGITAL EQUIPMENT TO MANAGE TARGETS, CONDUCT FIRE PLANNING, OR BATTLE-TRACK FRIENDLY UNIT LOCATIONS**

T.T.P.: **- CROSS TRAIN WITHIN SECTIONS TO DEVELOP DEPTH OF PROFICIENT OPERATORS**

- LEADERS MUST UNDERSTAND CAPABILITIES

- AGGRESSIVE HOME STATION TRAINING

FS PRIORITIES OF WORK (DEFENSE)

TREND: **- UNITS FAIL TO MANAGE TIME IN PREPARATION FOR DEFENSIVE OPERATIONS RESULTING IN INEFFECTIVE FIRES AND THE INABILITY TO ACHIEVE DESIRED EFFECTS**

T.T.P.: **- DEVELOP AND USE DEFENSIVE FS PRIORITIES OF WORK CHECKLIST (SEE SFC MUBARAKs FA JOURNAL ARTICLE – LAST ISSUE)**

- CRITICAL TASK INCLUDED IN CO, BN, AND BDE TIMELINES

- CTC QUARTERLY BULLETIN 98-12, PREPARING FOR A DELIBERATE DEFENSE

FA OPERATIONS TRENDS

- **FA MDMP (WARGAMING)**
- **TECHNICAL REHEARSALS**
- **STAFF INTEGRATION**
- **COUNTER MORTAR FIGHT**
- **5 REQUIREMENTS FOR ACCURATE PREDICTED FIRE**
- **AFATDS USAGE**
- **TACTICAL FIRE DIRECTION**
- **SURVEY OPERATIONS**
- **FORCE PROTECTION**

FA MDMP WARGAMING/SYNCH

TREND: **- UNITS DO NOT EFFECTIVELY FORMULATE PLANS AND SYNCHRONIZE THEIR OPERATIONS TO SUPPORT THE BRIGADE PLAN**

T.T.P.: **- DEVELOP AN SOP WITH DETAILED DUTIES AND RESPONSIBILITIES**

- DESIGN WELL DEFINED SYNCH MATRIX (CHECKLIST)

- PLACE MOLE WITH BDE STAFF DURING PLANNING

- INVOLVE ENTIRE STAFF IN PROCESS – EXECUTE ORDERS DRILLS AT HOME STATION AT LEAST ONCE A QUARTER – USE OLD BDE PLANS

- ENSURE FSCOORD IS INVOLVED ON BOTH LEVELS

TECHNICAL REHEARSALS

TREND: **- UNITS FAIL TO DO TECHNICAL REHEARSALS ON KEY PORTIONS OF THE PLAN DUE TO INCOMPLETE PLANNING**

T.T.P.: **- RUTHLESSLY ENFORCE TARGET CUTOFF TIMES.**

- DEVELOP AN SOP/PROCESS/BATTLE DRILL (BDE FSO/BN S3) TO VALIDATE CRITICAL PORTIONS OF THE PLAN (i.e. COUNTER FIRE, PRI TARGETS, REGISTRATIONS, TARGETS OF OPPORTUNITY, FASCAM ETC.)

- VALIDATE TARGET LIST PRIOR TO REHEARSAL

- REHEARSE FO TO DELIVERY SYSTEM BY CRITICAL EVENT

- DEVELOP BN/BTRY FDO PLAY SHEET THAT COVERS ALL TARGETS BY TGT #, UNIT/FO RESP, NET, FIRING UNIT, # RNDS/TYPE, SPECIAL INSTRUCTIONS) – COA SKETCH

STAFF INTEGRATION

TREND: **- BN S3s TEND TO DO TOO MUCH AND FAIL TO INTEGRATE THE STAFF**

T.T.P.: **- PRODUCE WELL DEFINED DUTIES AND RESPONSIBILITIES (FOR PLANNING AS WELL AS STANDARD BATTLE RHYTHM DUTIES)**

- **EXECUTE S3 SHOP BROWN BAG LUNCH LDPs**
- **TRAIN ON BN TACSOP**
- **CONDUCT QUARTERLY ORDERS DRILLS, CPXs, AND FTXs**
- **EXECUTE M.E.L. DRIVEN BN FTXs IOT TRAIN BOTH BN AND BTRY TOCs/BOCs**

COUNTER MORTAR FIGHT

TREND: **- BDE FSO's/BN S3's DO NOT EFFECTIVELY MANAGE THE COUNTER MORTAR FIGHT**

T.T.P.: **- SPECIFY WHO CAN CHANGE AOS OF RADAR**

- DEVELOP AOS SHIFT CRITERIA (i.e. ME, SOUND, VOICE DF, CRATER ANALYSIS, MINEFIELD LOCATION (MUTUAL SUPPORT), Q36 AQ, KW SIGHTING, ETC.)

- TRAIN ON PREDICTIVE ANALYSIS (BN S2 IS NOT ONLY RESPONSIBLE AGENT)

- ENSURE ALL KEY LEADERS CAN TRACK MORTARS

- DEVELOP BDE GRADUATED RESPONSE MATRIX BY ASSET

- REHEARSE COUNTERFIRE DRILL – BATTLE TRACK

- TRAIN *EVERYONE* ON HOW TO DO CRATER ANALYSIS AND SHELREPs

5 REQ's FOR ACCURATE PREDICTED FIRE

TREND: **- UNITS FAIL TO CONSISTANTLY TRACK THE 5 REQUIREMENTS**

T.T.P.:
- **DEVELOP BN FDO CHECKLIST (HOURLY QUESTIONS)**
- **LEADER CHECKS & SOPs**
- **COMMON SURVEY**
- **PROPER MVV MANAGEMENT – FDO BOOKS**
- **USE OF CHRONOGRAPHS**
- **INCORPORATION OF 2ND AND 3RD LOT**
- **MET & SURVEY TO MORTARS**

AFATDS USAGE

TREND: **- UNITS DO NOT MAXIMIZE THE INFORMATION MANAGEMENT & TACTICAL FIRE DIRECTION CAPABILITIES OF THE AFATDS**

T.T.P.:
- **INCREASE NUMBER OF TRAINED OPERATORS**
- **COMMAND EMPHASIS**
- **CONSTANT & INNOVATIVE SUSTAINMENT TRAINING**
- **LEADER UNDERSTANDING OF CAPABILITIES**
- **CERTIFICATION PROCESS AT HOMESTATION**
- **BN BASE PIECE LFX's**

TACTICAL FIRE DIRECTION

TREND: **- UNITS DO NOT ACHIEVE EFFECTS ON TARGET BECAUSE OF INEFFECTIVE TACTICAL FIRE DIRECTION**

T.T.P.: **- TRAIN/DEVELOP STANDARDS FOR PRODUCING BATTALION FIRE ORDERS (HOT, WARM, COLD PLATOONS)**

- USE OF DIGITAL FROM BN FDC TO SECTION GDU INCREASES RESPONSIVENESS

- USE OF COMMANDER'S GUIDANCE, AGM & TSS

- BATTLE TRACKING OF ALL INDIRECT FIRE ASSETS WITHIN THE FDC

- AMMO MANAGEMENT AT HOME STATION THROUGH USE OF 105mm REPLICATED AMMO

SURVEY OPERATIONS

TREND: **- UNITS DO NOT MAXIMIZE SURVEY SECTIONS DUE TO INEXPERIENCED OPERATORS/ SUPERVISORS AND LACK OF KNOWLEDGE WITHIN THE FA TOC**

T.T.P.: **- RSO OR PADS CHIEF INVOLVED IN MDMP**
- STANDARDIZATION/INCORPORATION OF GLPS
- SECTION TRAINING ON PADS & SURVEY EQUIPMENT
- PROVIDE SURVEY TO MORTAR SECTIONS FOR AT HOME TRAINING
- ESTABLISH MASTER STATIONS FOR SIMO OPS

FORCE PROTECTION

TREND: **- UNITS DO NOT MAXIMIZE FORCE PROTECTION MEASURES AT BTRY & BN LEVEL**

T.T.P.: **- KNOW WHAT RIGHT LOOKS LIKE**

- PROACTIVE ACQUISITION AND USE OF CL IV

- INCREASE USE/DISCIPLINE OF NVGs

- INCORPORATION OF BATTLE DRILLS AND SOPs – MAKE MASTER GUNNER MASTER DIGGER FOR TRAINING AS WELL

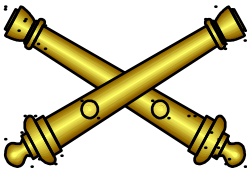
- PCIs IAW FM 6-50 APP C

- DEVELOP RESPONSIBILITIES FOR ALL KEY PERSONNEL TO ENSURE POSITIONS SITED AND CONSTRUCTED PROPERLY

- S2 IDs THREATS TO UNITS IN MDMP AND PUBLISHES THEM IN THE FASP

FA CSS OPERATION TRENDS

- **BATTALION LOG PLANNING (LOG SYNCH)**
- **AMMO MANAGEMENT**
- **BATTLE TRACKING/INFO MANAGEMENT**



LOG SYNCH

TREND: **- FA BN LOG PLANNERS CONSISTANTLY PROVIDE REACTIVE RATHER THAN PROACTIVE LOGISTICS TO THE BATTALION**

T.T.P.: **- KNOW WHAT THE UNITS CAPABILITIES ARE – DEVELOP A DETAILED COMBAT POWER MATRIX**

- DEVELOP BATTLE CACULUS BOOK FOR HAUL CAPABILITY (CUBE AND WEIGHT) FOR AIR AND GROUND MOVEMENT

- REQUIREMENTS ARE GENERATED FROM REPORTS AND MDMP. LOGSTAT REPORTING IS MARGINAL AT BEST. DO A BN AND BDE REPORT TERRAIN WALK.

- DEVELOP DETAILED LOG SYNCH BRIEF AND MATRIX THAT COVERS ALL TACTICAL INFO AND ALL OF THE TAC LOG FUNCTIONS

- COVER OUT TO 72 HOURS AT A MINIMUM

- RESULT OF LOG SYNCH IS FRAGO TO HHS COMMANDER

AMMO MANAGEMENT

TREND: **- UNITS FAIL TO PROJECT THE REQUIRED AMMO NEEDED TO EXECUTE THE**

T.T.P.: **- REQUIREMENTS/CAPABILITIES DRIVE CL V-> FSO-S3-XO**
- UNDERSTAND CAPABILITIES/LIMITATIONS OF CDS, COL, SLING OF CL V
- ESTABLISH RESUPPLY TRIGGERS DURING LOG SYNCH
- UNDERSTAND THE CAPABILITIES OF A PLS FLATRACK (AIR/GRND)
- ENSURE SPL HAS MOVEMENT CAPABILITY BOOK
- PRACTICE ATP OPERATIONS AT HOME STATION
- AMMO PLATOONS NEED TRAINING TOO

BATTLE TRACKING/INFO MANAGEMENT

TREND: **- ALOCs ARE INEFFECIENT IN TRACKING BATTLEFIELD INFORMATION**

T.T.P.: **- DEVELOP DUTIES AND RESPONSIBILITIES (SOP)**
- POSITION ALOC WITH BSA TOC
- HAVE SEPARATE TENT TO BRIEF LOGPACS AND DO RSOI
- PRODUCE A DETAILED BATTLE RHYTHM THAT IS NESTED WITH THE BSA
- WORK WITH SPO AND FSB XO ON WHAT YOU NEED TO PROVIDE AT FSB LOG SYNCHS, BUBS, TENENT MEETINGS ETC. TO BE EFFICIENT
- REVIEW ALOC CHARTOLOGY
- TRAIN RTOs AND BATTLE NCOs TO ANALYSE INFORMATION
- CONDUCT AN RTO ACADEMY FOR RTOs

FINAL THOUGHT

IN EVERY BATTLE IT IS NOT NUMBERS AND UNTAUGHT BRAVERY SO MUCH AS SKILL AND TRAINING THAT GENERALLY PRODUCE VICTORY.

WE MUST TRAIN AS WE WILL FIGHT!